

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020155**Date Inspected:** 12-Jan-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Mr. Yu Jiao (ABF)**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** BAY 14 OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Robert DeArmond, was present during the times noted above for observations relative to the work being performed.

OBG BAY 14

The following Magnetic Particle Testing (MT) was performed per ZPMC Non-Destructive Testing (NDT) notification document 08148:

This QA inspector performed MT of approximately 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector generated an MT report for this date. The member is identified as FB3209-001-115.

This QA observed one longitudinal indication in weld identified as FB3209-001-115 that did not appear to comply with the contract documents. This QA informed ZPMC QC identified as Mr. Wang Lu and ABF QA inspector identified as Peter Shaw of this issue and that an incident report would be generated concerning this issue. For further details, refer to the incident report issued by this QA on this date and the attached photos

OBG BAY 14

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

Magnetic Particle Testing (MT)

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. All components were as listed on NWIT notification no. 08148. The member(s) is/are identified as 13BW West Line: beam stiffener (X4429H) to the floor beam web (X4475A). The weld designations reviewed are as follows:

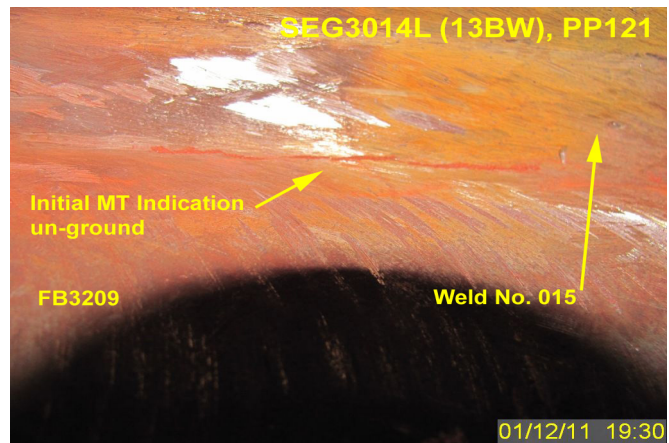
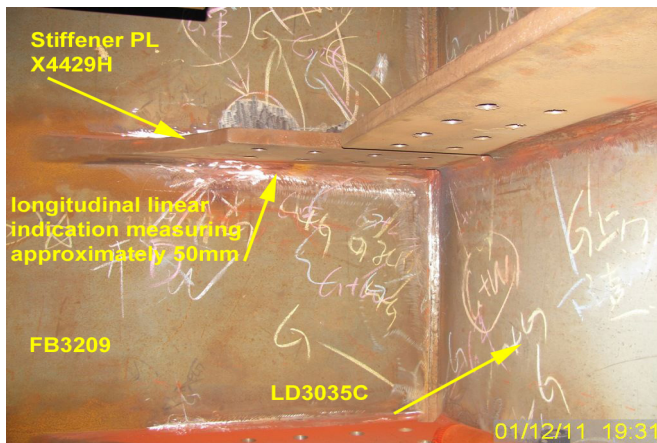
FB3217-001-141, 142 FB3212-001-126, 127 FB3209-001-148, 149 FB3204-001-101~104

SEG3014B-223, 224, 034, 035 SEG3014D-008, 025, 218, 219 SEG3014F-007, 008, 011, 081, 082
SEG3014H-008, 025, 026, 163, 164, 167, 168

FB3209-001-104, 105, 109, 110, 114, 115, 119, 120, 124, 125, 129, 130, 134, 135, 139, 140, 144, 145

SEG3014L-017~056, 059, 060, 065, 066, 071, 072, 077, 078, 083, 084, 089, 090, 095, 096, 099~134, 137, 138,
143, 144, 149, 150, 155, 156, 161, 162, 167, 168, 173, 174, 179, 180

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

As mentioned above between QA and QC concerning this project

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 1500-0042-02372, who represents the Office of Structural Materials for your project.

Inspected By: DeArmond, Robert

Quality Assurance Inspector

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Reviewed By: Riley, Ken

QA Reviewer